

Claimed

1. A three-phase AC speed adjustable motor, characterized in that said three-phase AC speed adjustable motor is composed of an AC motor body and
5 an inverse electromotive force generator which is connected with ends of the three stator windings of the AC motor body, wherein the DC voltage, output voltage and the output phase of the inverse electromotive force generator are variable.

2. The three-phase AC speed adjustable motor according to claim 1,
10 characterized in that said AC motor body is a squirrel cage asynchronous motor or synchronous motor body, said inverse electromotive force generator is composed of a three-phase inverter, and the ends (x, y, z) of the three stator windings of said motor body are connected one-to-one to the three incoming ends (U, V, W) of the three-phase inverter, and a capacitor (C) is connected to
15 the DC end of said three-phase inverter.

3. The three-phase AC speed adjustable motor according to claim 1, characterized in that said AC motor body is a winding rotor asynchronous motor body, said inverse electromotive force generator is composed of a three-phase inverter and a rectifier, the ends (x, y, z) of the three stator
20 windings of said motor body are connected one-to-one to the three incoming ends (U, V, W) of the three-phase inverter, the input ends of the rectifier are connected to the three rotor slip rings (A1, A2, A3) of the AC motor respectively, and the output ends of the rectifier are connected to the DC end of the inverter.

25 4. The three-phase AC speed adjustable motor according to claim 1, characterized in that said inverse electromotive force generator is composed of a three-phase transformer and a three-phase inverter, wherein the secondary sides of the transformer are connected to three stator windings respectively, and the primary sides of the transformer are connected to the three incoming
30 ends of the inverter respectively.